

ppl. No. 09/964,412; Filed: September 28, 2001
 kt. No. 0609.4370004; Group Art Unit: 1633
 ventors: de la Monte *et al.*; Tel: 202/371-2600
 itle: Transgenic Animals and Cell Lines for Screening Drugs
 ffective for the Treatment or Prevention of Alzheimer's Disease

1	ttttttttttttgag	ATG GAG TTT TCG CTC TTG TTG CCC AGG CTG GAG TGC AAT GGC GCA ATC	62
1		M E F S L L L P R L E C N G A I	16
63	TCA GCT CAC CGC AAC CTC CGC CTC CGG GGT TCA AGC GAT TCT CCT GCC TCA GCC TCC CCA	122	
17	S A H R N L R L P G S S D S P A S A S P	36	
123	GTA GCT GGG ATT ACA GGC ATG TGC ACC CAC GCT CGG CTA ATT TTG TAT TTT TTA GTA	182	
37	V A G I T G M C T H A R L I L Y F F L V	56	
183	GAG ATG GAG TTT CTC CAT GTT GGT CAG GCT GGT CTC GAA CTC CGG ACC TCA GAT GAT CCC	242	
57	E M E F L H V G Q A G L E L P T S D D P	76	
243	TCC GTC TCG GCC TCC CAA AGT GCT AGA TAC AGG ACT GGC CAC CAT GCC CGG CTC TGC CTG	302	
77	S V S A S Q S A R Y R T G H A R L C L	96	
303	GCT AAT TTT TGT GGT AGA AAC AGG GTT TCA CTG ATG TGC CCA AGC TGG TCT CCT GAG CTC	362	
97	A N F C G R N R V S L M C P S W S P E L	116	
363	AAG CAG TCC ACC TGC CTC AGC CCA AAG TGC TGG GAT TAC AGG CGT GCA GCC GTG CCT	422	
117	K Q S T C L S L P K C W D Y R A A V P	136	
423	GGC CTT TTT ATT TTA TTT TTT TTA AGA CAC AGG TGT	482	
137	G L F I L F L R H R C P T L T Q D E V	156	

FIG. 1A

483	CAG TGG TGT GAT CAC AGC TCA CTG CAG CCT TCA ACT CCT GAG ATC AAG CAT CCT CCT GCC	542
157	Q W C D H S S L Q P S T P E I K H P P A	176
543	TCA GCC TCC CAA GTA GCT GGG ACC AAA GAC ATG CAC CAC TAC ACC TGG CTA ATT TTT ATT	602
177	S A S Q V A G T K D M H H Y T W L I F I	196
603	TTT ATT TTT AAT TTT TTG AGA CAG AGT CTC AAC TCT GTC ACC CAG GCT GGA GTG CAG TGG	662
197	F I F N F L R Q S L N S V T Q A G V Q W	216
663	CGC AAT CTT GGC TCA CTG CAA CCT CTG CCT CCC GGG TTC AAG TTA TTC TCC TGC CCC AGC	722
217	R N L G S L Q P L P P G F K L F S C P S	236
723	CTC CTG AGT AGC TGG GAC TAC AGG CGC CCA CCA CGC CTA GCT AAT TTT TTT GTA TTT TTA	782
237	L L S S W D Y R R P P R L A N F F V F L	256
783	GTA GAG ATG GGG TTC ACC ATG TTC GCC AGG TTG ATC TTG ATC TCT GGA CCT TGT GAT CTG	842
257	V E M G F T M F A R L I L I S G P C D L	276
843	CCT GCC TCG GCC TCC CAA AGT GCT GGG ATT ACA GGC GTG AGC CAC CAC GCC CGG CTT ATT	902
277	P A S A S Q S A G I T G V S H A R L I	296
903	TTT AAT TTT TGT TTG TTT GAA ATG GAA TCT CAC TCT GTT ACC CAG GCT GGA GTG CAA TGG	962
297	F N F C L F E M E S H S V T Q A G V Q W	316

FIG. 1B

Appl. No. 09/964,412; Filed: September 28, 2001
 Dkt. No. 0609.4370004; Group Art Unit: 1633
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drug
 Effective for the Treatment or Prevention of Alzheimer's Diseases



963	CCA	AAT	CTC	GGC	TCA	CTG	CAA	CCT	CTG	CCT	CCC	GGG	CTC	AAG	CGA	TTC	ICC	TGT	CTC	AGC	1022
317	P	N	L	G	S	L	Q	P	L	P	P	G	L	K	R	F	S	C	L	S	336
1023	CTC	CCA	AGC	AGC	TGG	GAT	TAC	GGG	CAC	CTG	CCA	CCA	CAC	CCC	GCT	AAT	TTT	TGT	ATT	TTC	1082
337	L	P	S	S	W	D	Y	G	H	L	P	P	H	P	A	N	F	C	I	F	356
1083	ATT	AGA	GGC	GTT	TCA	CCA	TAT	TTC	TCA	GGC	TGG	TCT	CAA	ACT	CCT	GAC	CTC	AGG	tgac		1143
357	I	R	G	G	V	S	P	Y	L	S	G	W	S	Q	T	P	D	L	R		375
1144	ccacctgcctcagccttccaaagtctgggattacaggcggtgagccacctcaccagccggctaat	tttagat	taaaaaaat																		1223
1224	atgtagcaatgggggtcttgctatgttgccaggctggtctcaacttctggcttc	atgc	aatccttcc	aatgagcca																	1303
1304	caacccccagccagtcacat	tttttaaacagttacatctttat	tttagtatactaga	aagtaataca	aatatgtcaa																1383
1384	acctgcaaatlcagtagtaacagagttctttataactttta	aacaaagctttagagca																			1442

FIG. 1C



FIG.2A FIG.2B FIG.2C

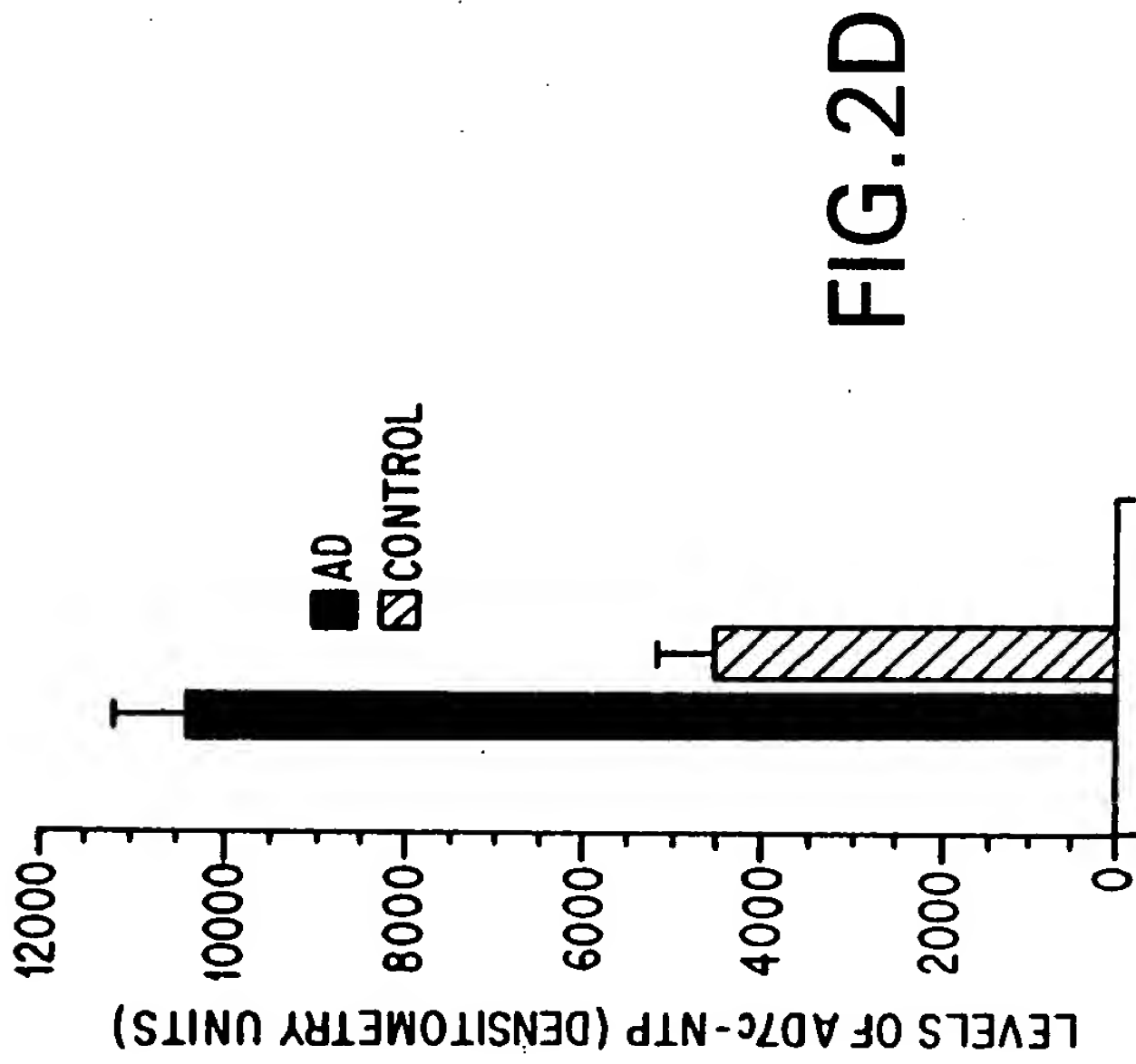


FIG.2D

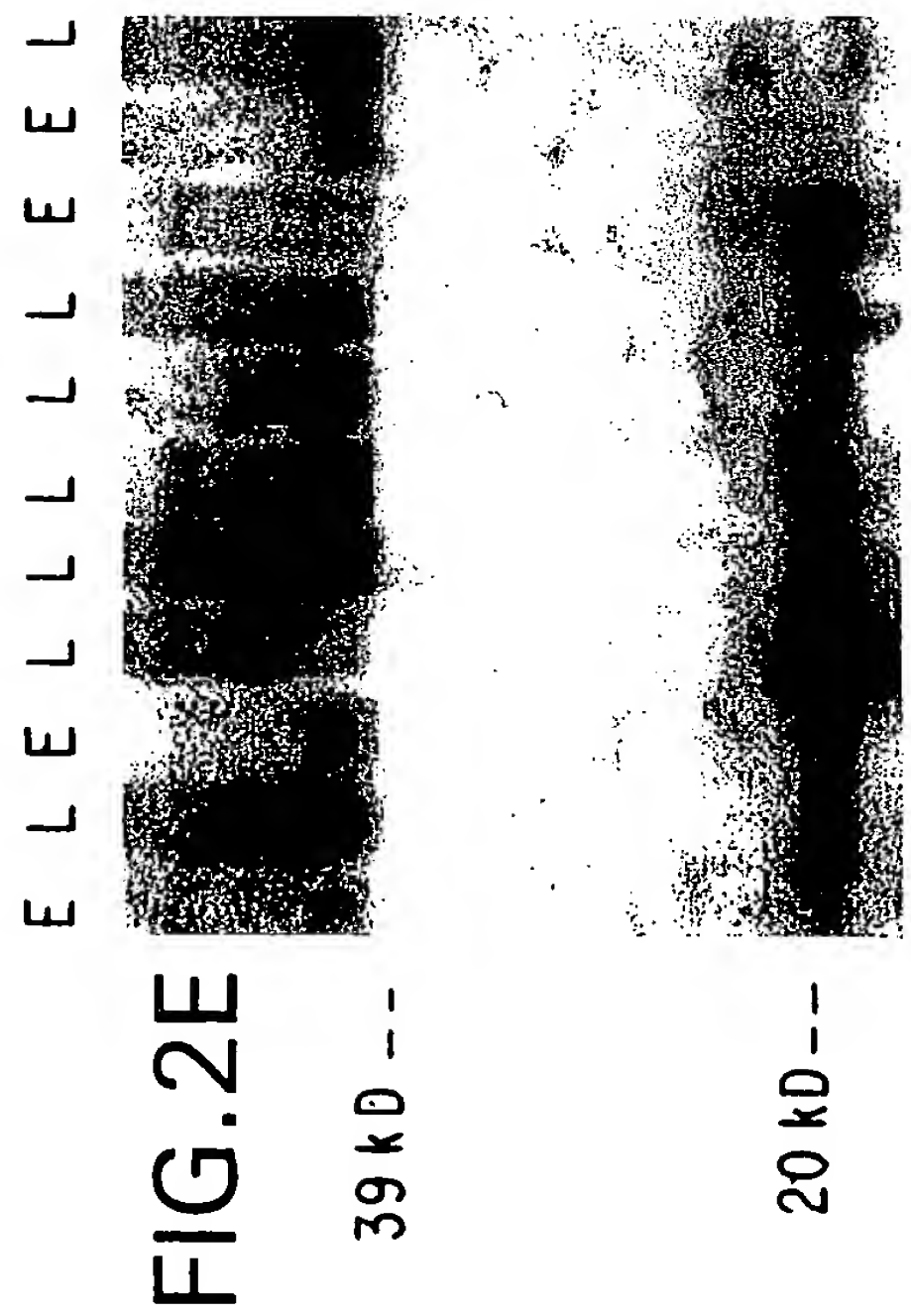
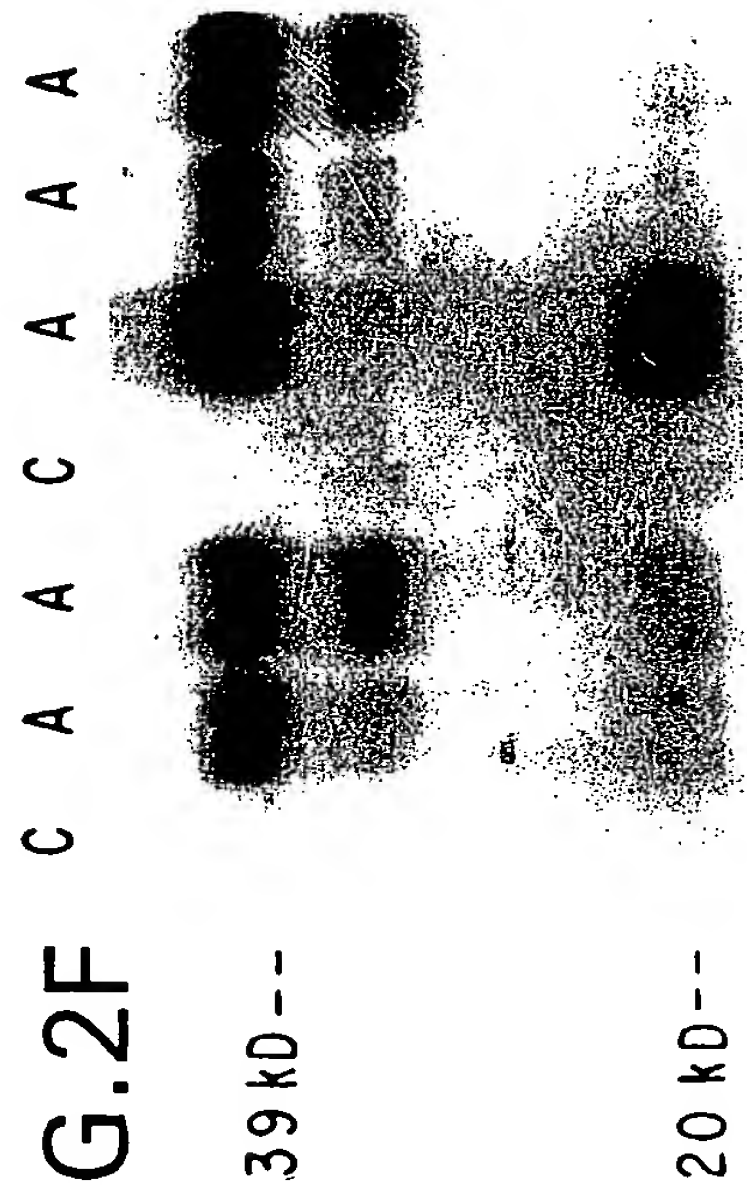


FIG.2E

FIG.2F



Appl. No. 09/964,412; Filed: September 28, 2001
 Dkt. No. 0609.4370004; Group Art Unit: 1633
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drugs
 Effective for the Treatment or Prevention of Alzheimer's Disease

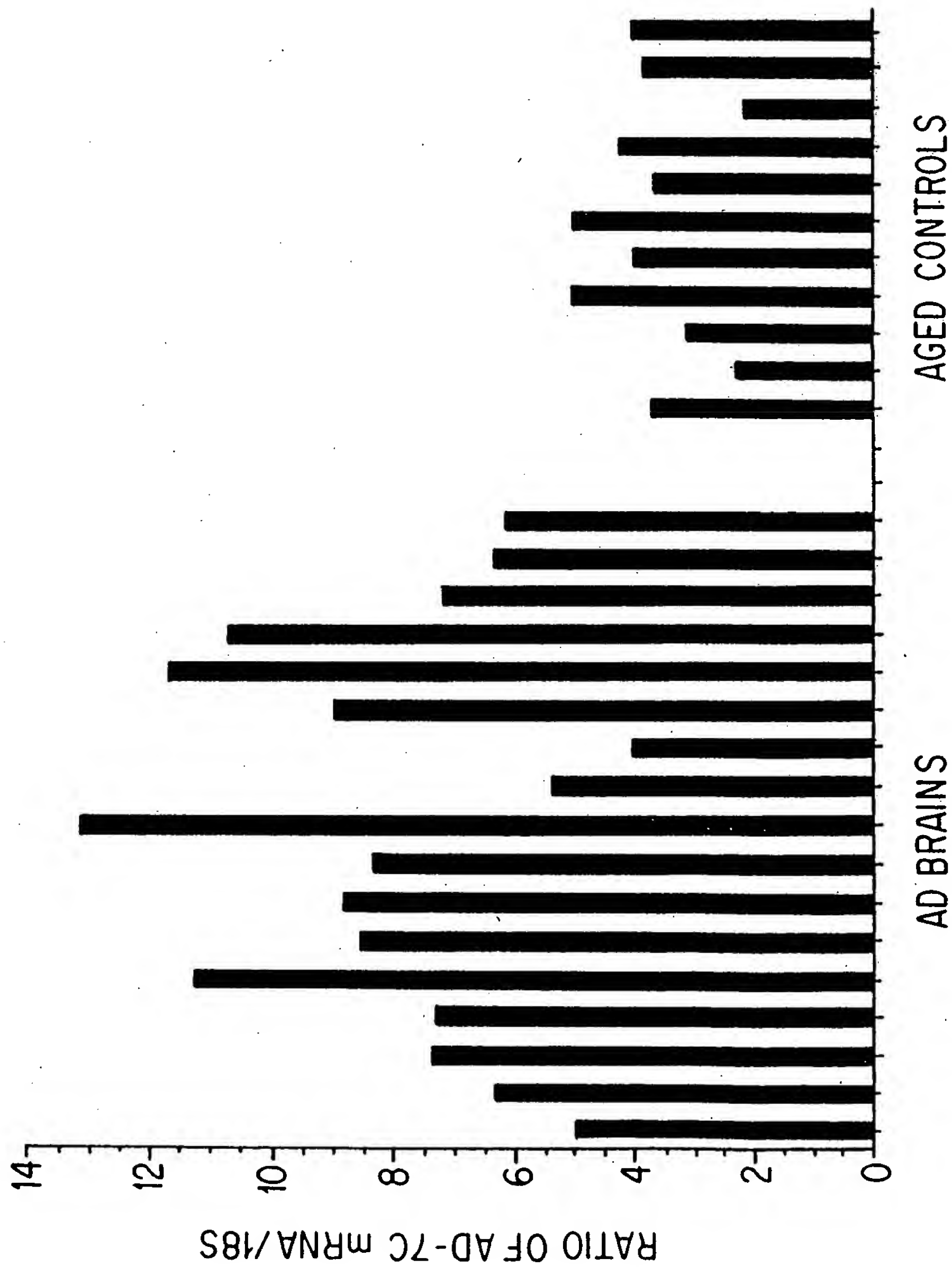


FIG. 3A

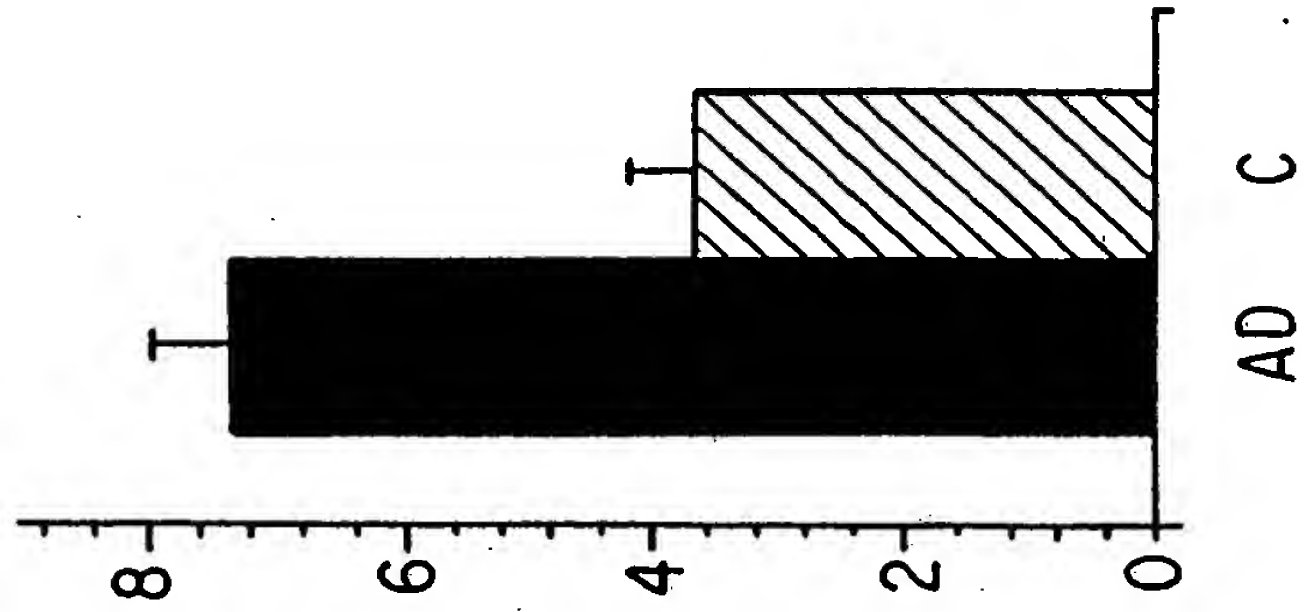


FIG. 3B

Appl. No. 09/964,412; Filed: September 28, 2001
Dkt. No. 0609,4370004; Group Art Unit: 1633
Inventors: de la Monte *et al.*; Tel: 202/371-2600
Title: Transgenic Animals and Cell Lines for Screening Drug
Effective for the Treatment or Prevention of Alzheimer's Disease

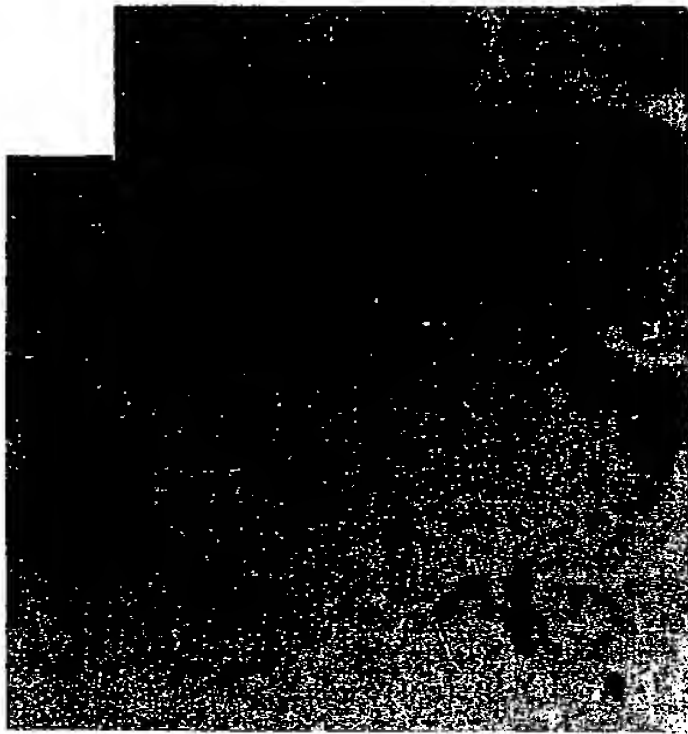
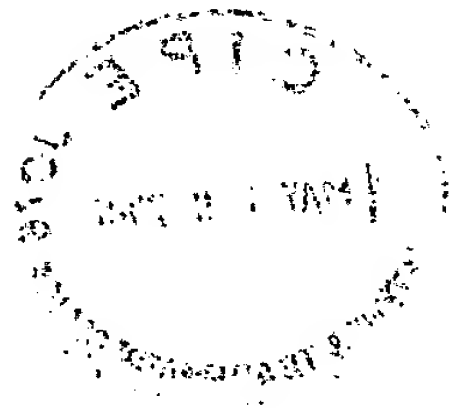


FIG.3C



FIG.3D



FIG.3E



FIG.3F

ppl. No. 09/964,412; Filed: September 28, 2001
 kt. No. 0609.4370004; Group Art Unit: 1633
 ventors: de la Monte *et al.*; Tel: 202/371-2600
 itle: Transgenic Animals and Cell Lines for Screening Drugs
 ffective for the Treatment or Prevention of Alzheimer's Disease



FIG. 4D

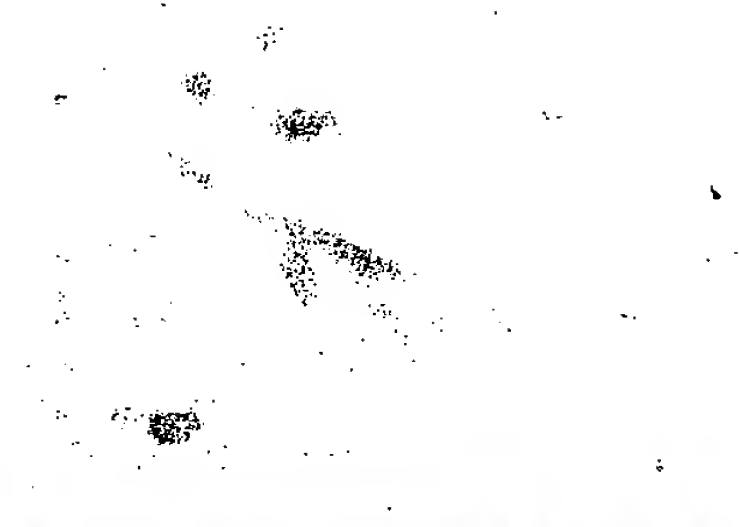


FIG. 4C

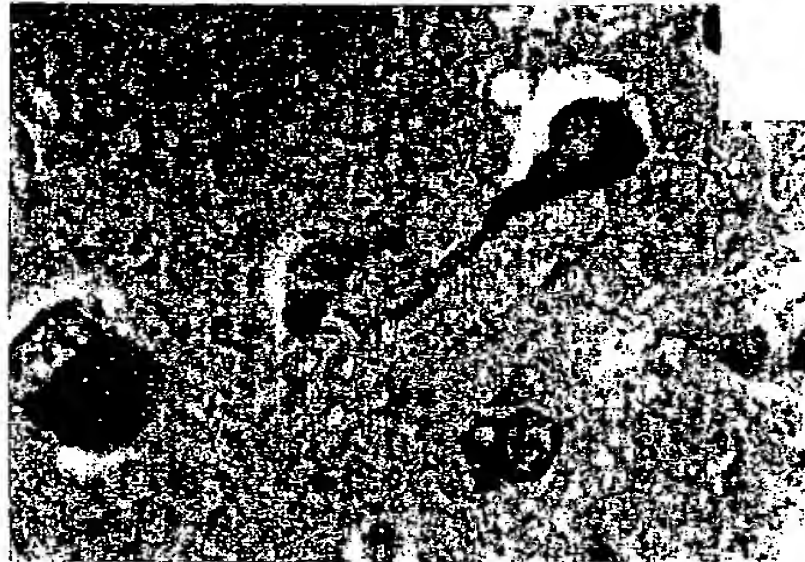


FIG. 4B

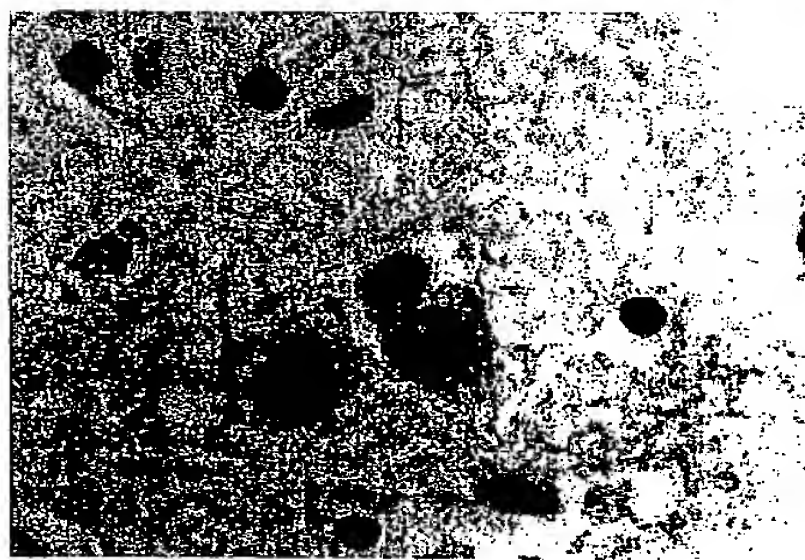


FIG. 4A

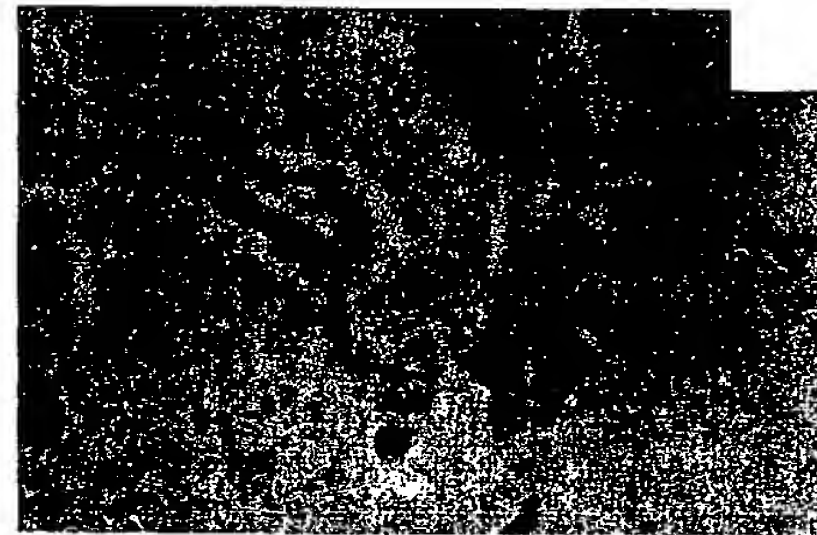


FIG. 4H

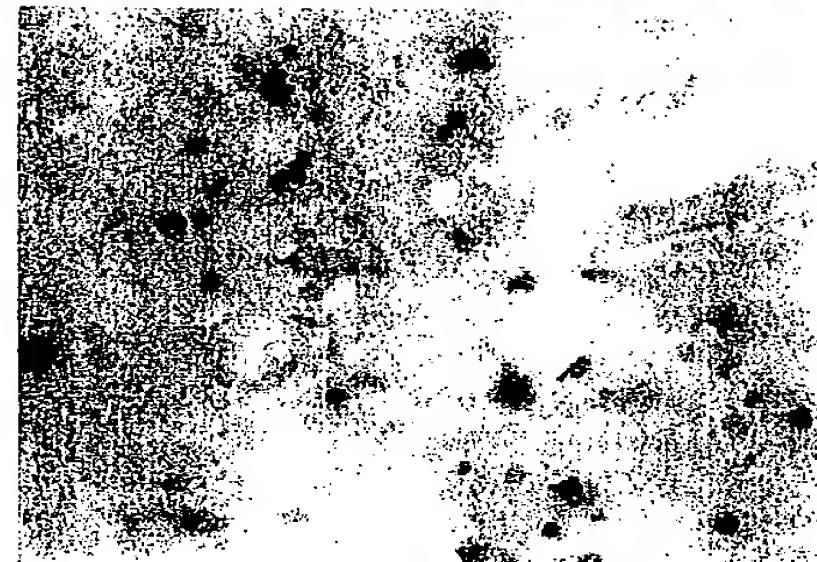


FIG. 4G

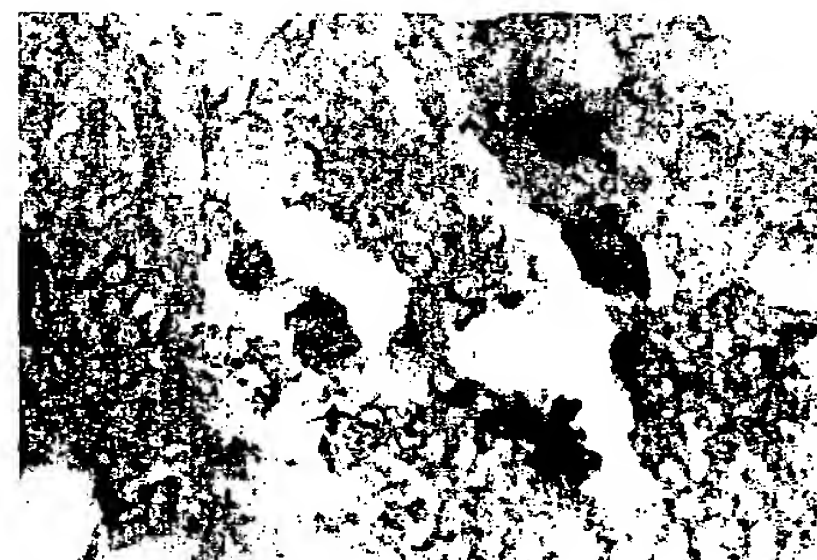


FIG. 4F



FIG. 4E

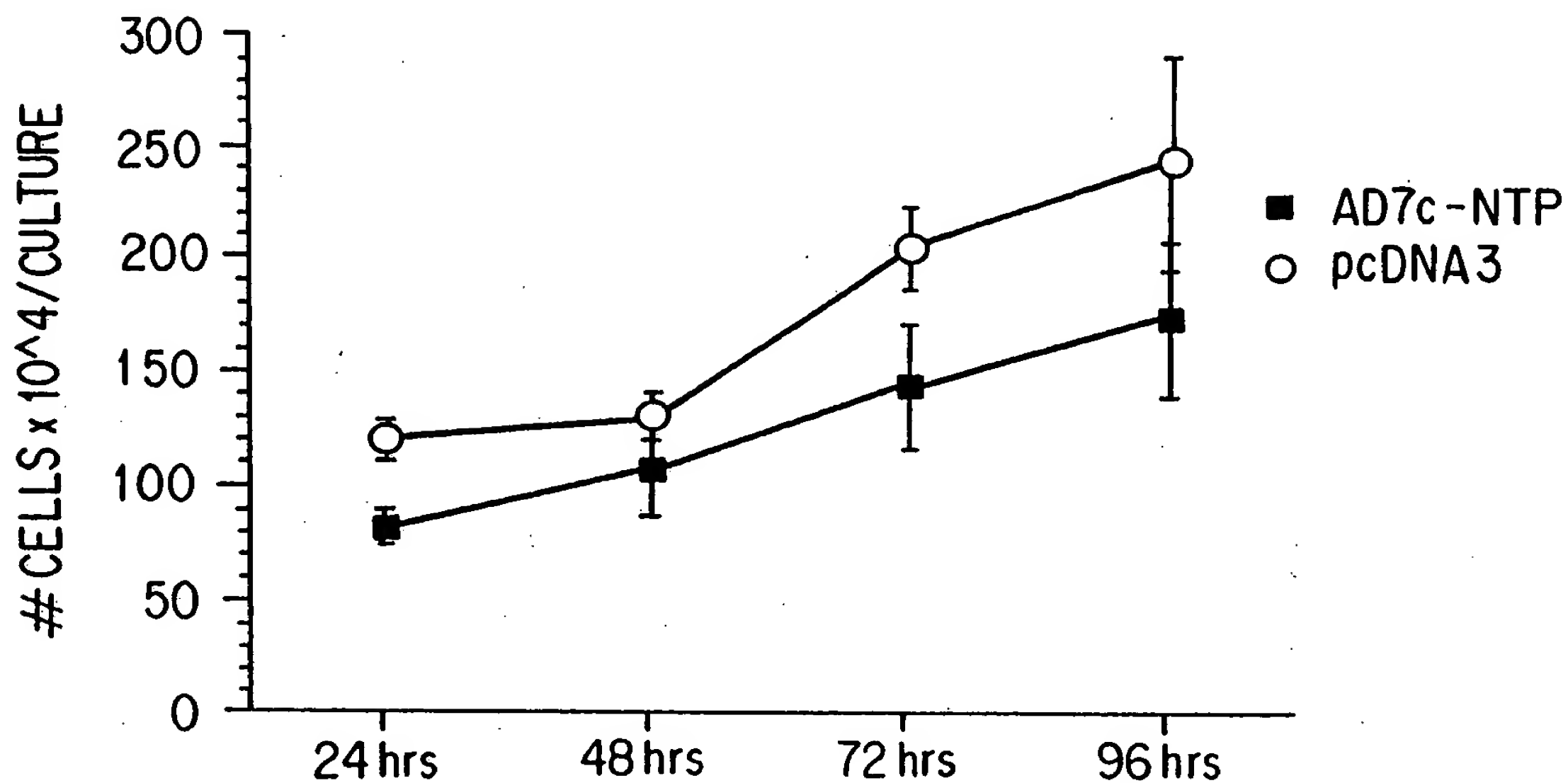
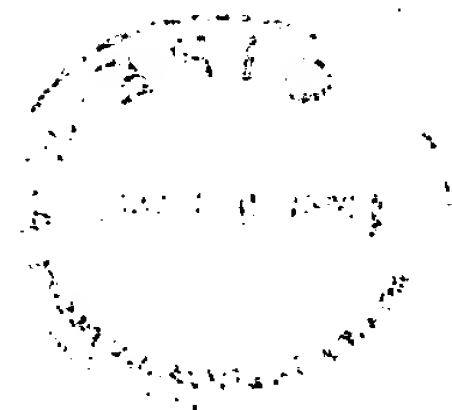


FIG. 5A

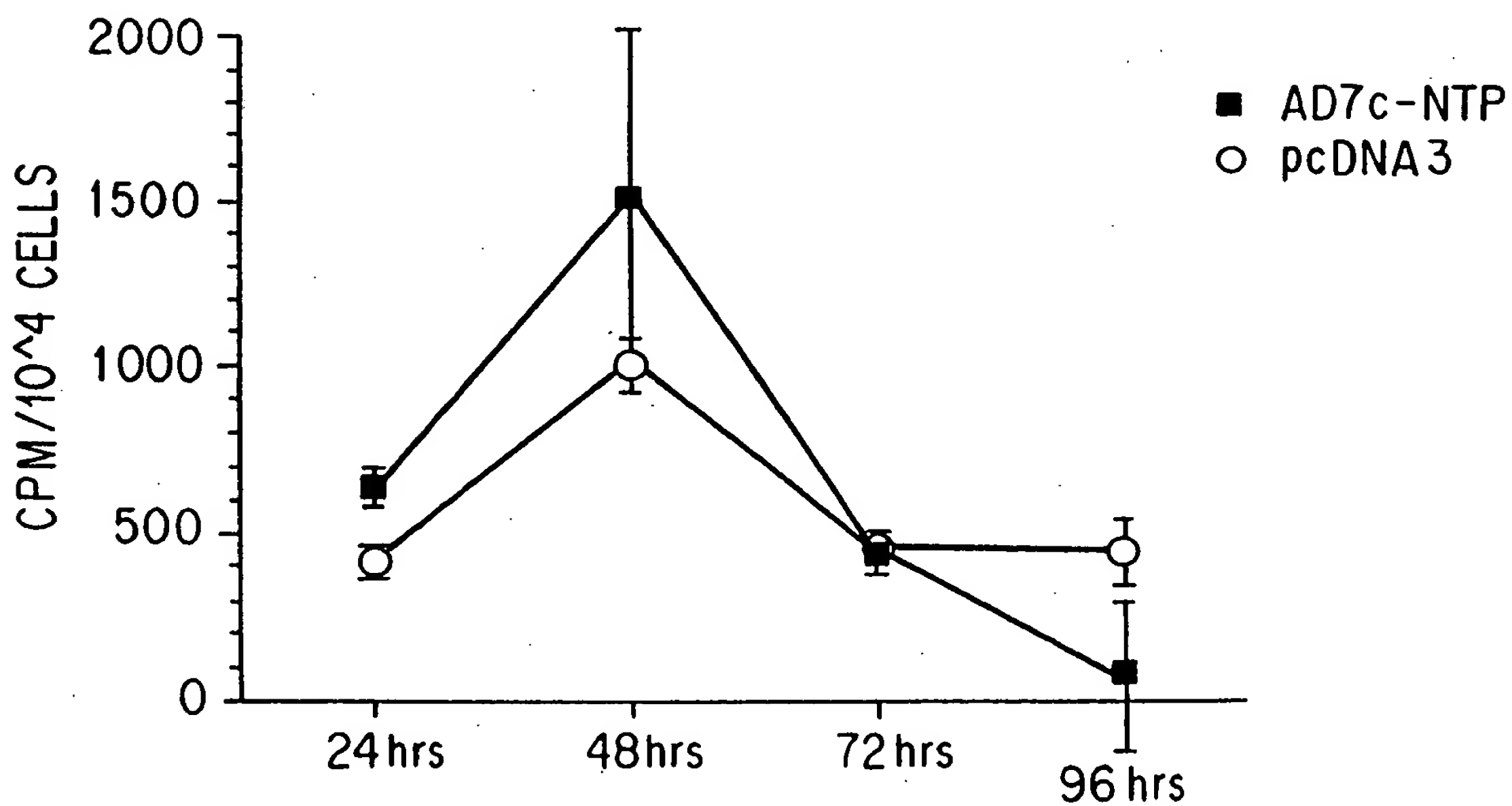
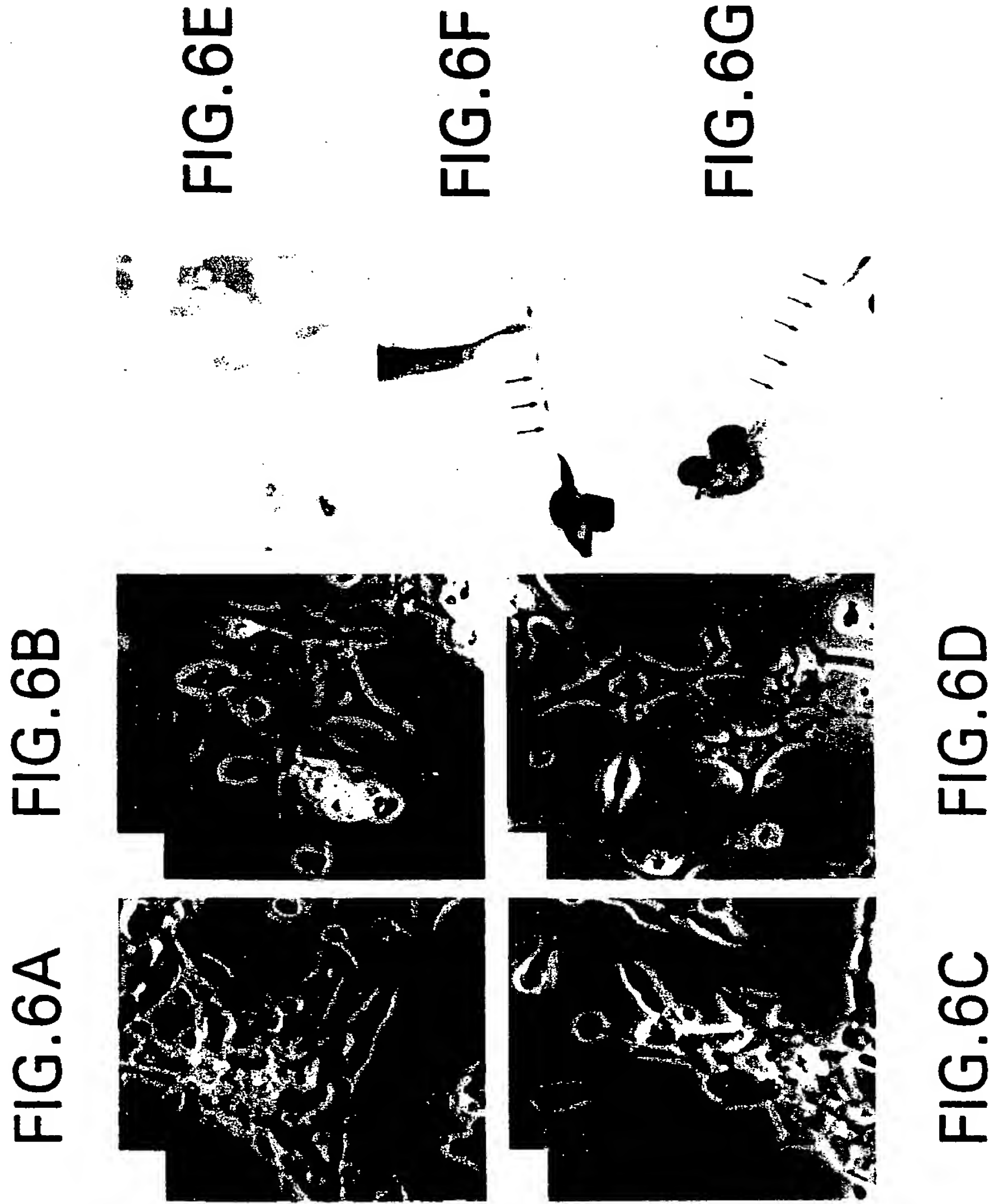
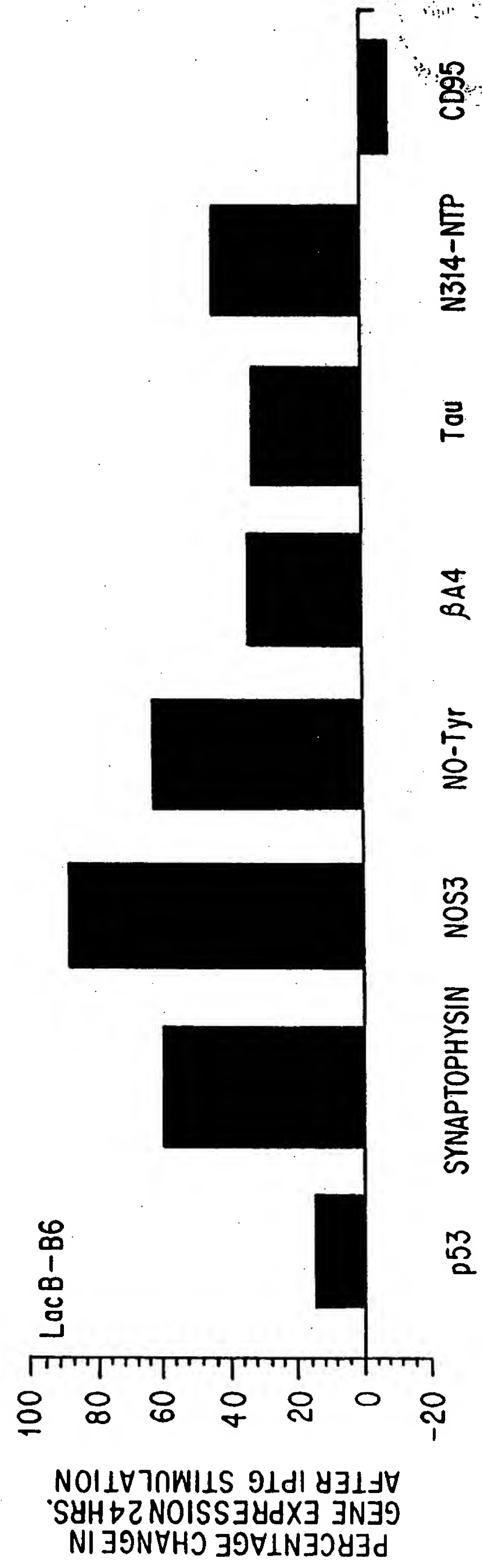
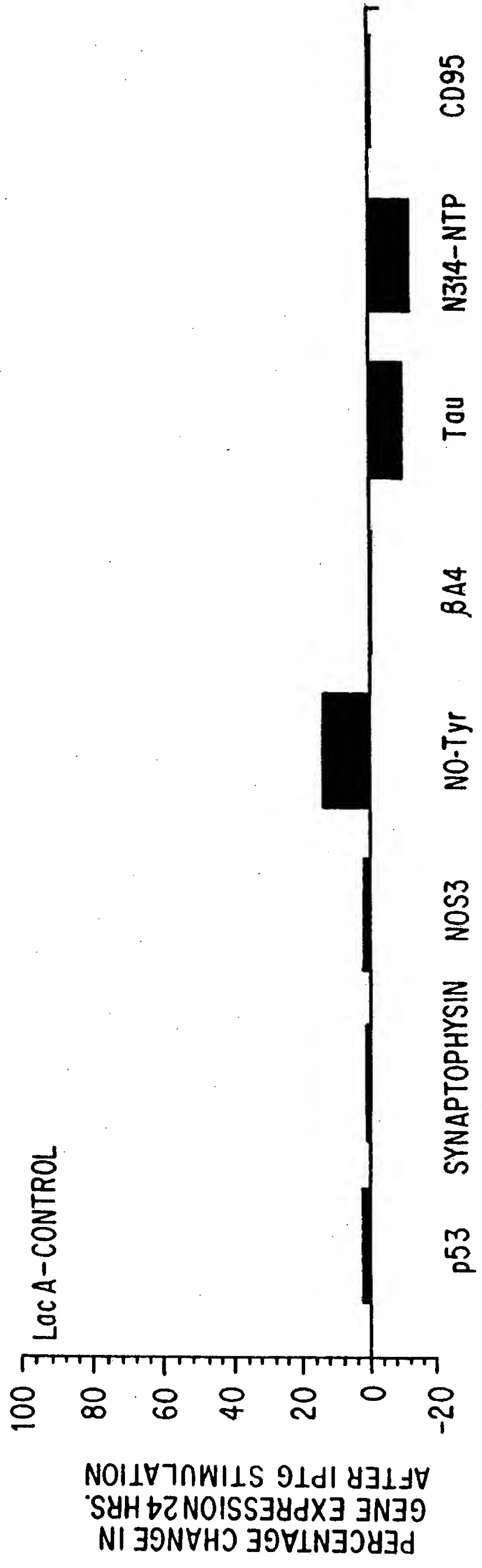


FIG. 5B

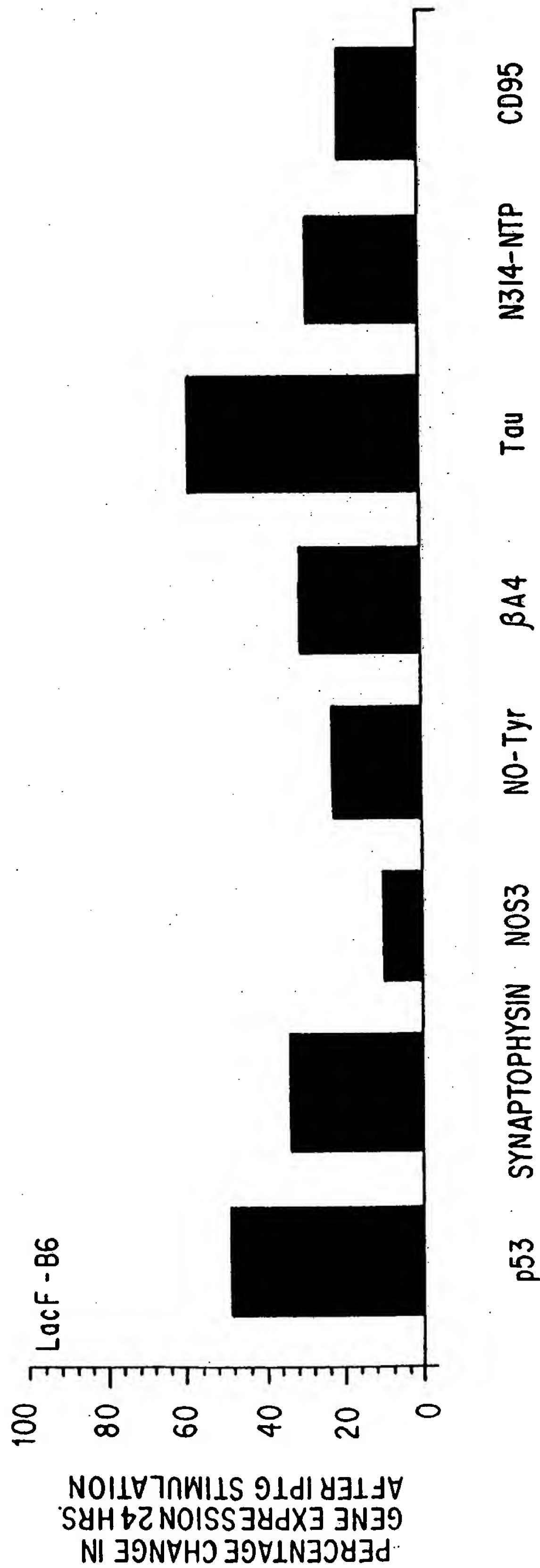
Appl. No. 09/964,412; Filed: September 28, 2001
 Dkt. No. 0609.4370004; Group Art Unit: 1633
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drug
 Effective for the Treatment or Prevention of Alzheimer's Disease



ppl. No. 09/964,412; Filed: September 28, 2001
 kt. No. 0609.4370004; Group Art Unit: 1633
 ventors: de la Monte *et al.*; Tel: 202/371-2600
 ile: Transgenic Animals and Cell Lines for Screening Drugs
 ffective for the Treatment or Prevention of Alzheimer's Disease



100-2910



Appl. No. 09/964,412; Filed: September 28, 2001
 Dkt. No. 0609.4370004; Group Art Unit: 1633
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drug
 Effective for the Treatment or Prevention of Alzheimer's Disease

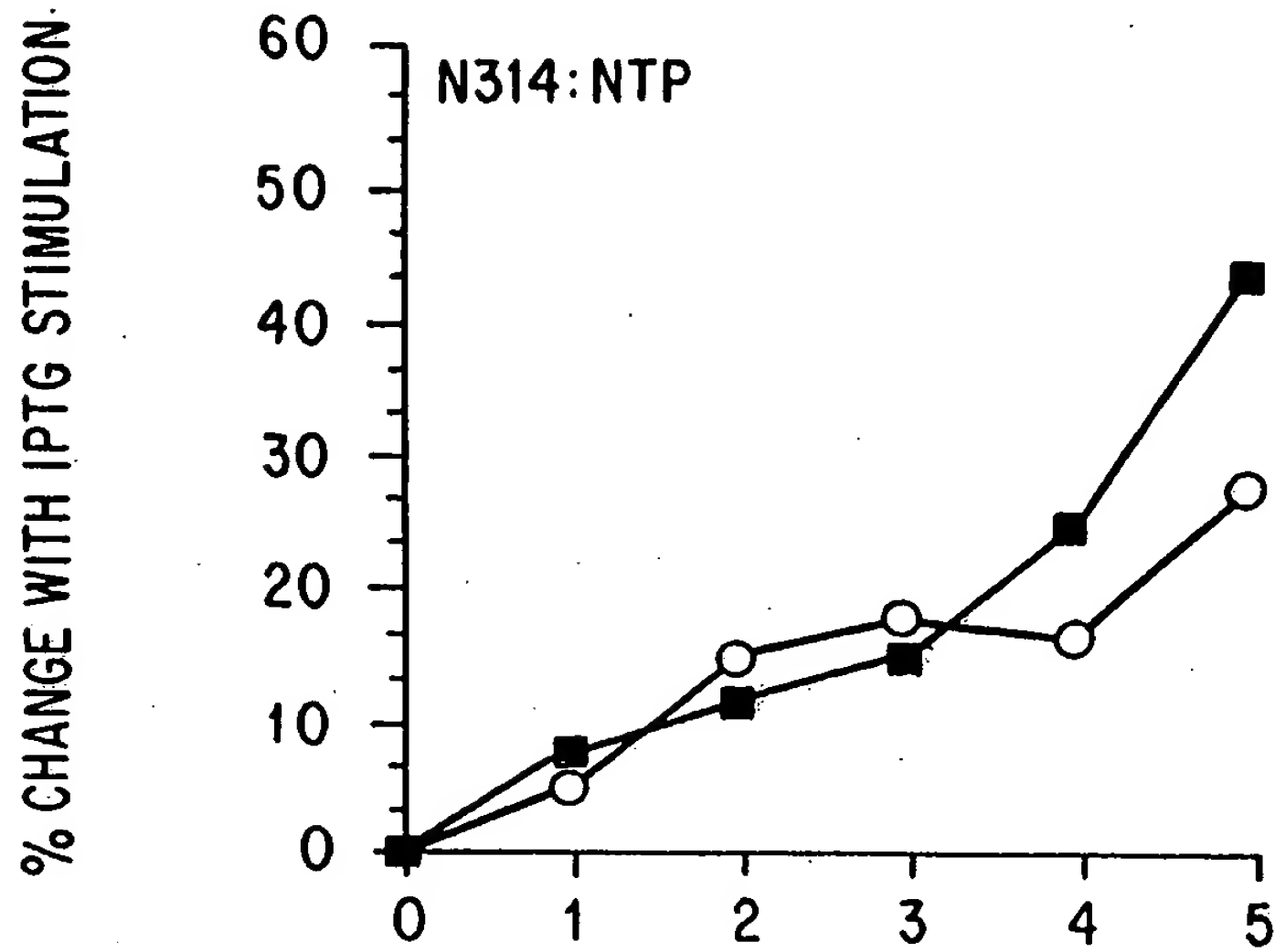
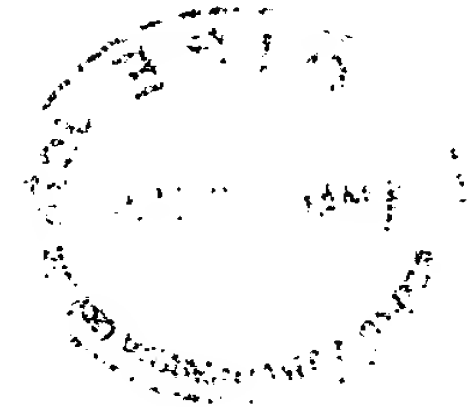


FIG. 8A

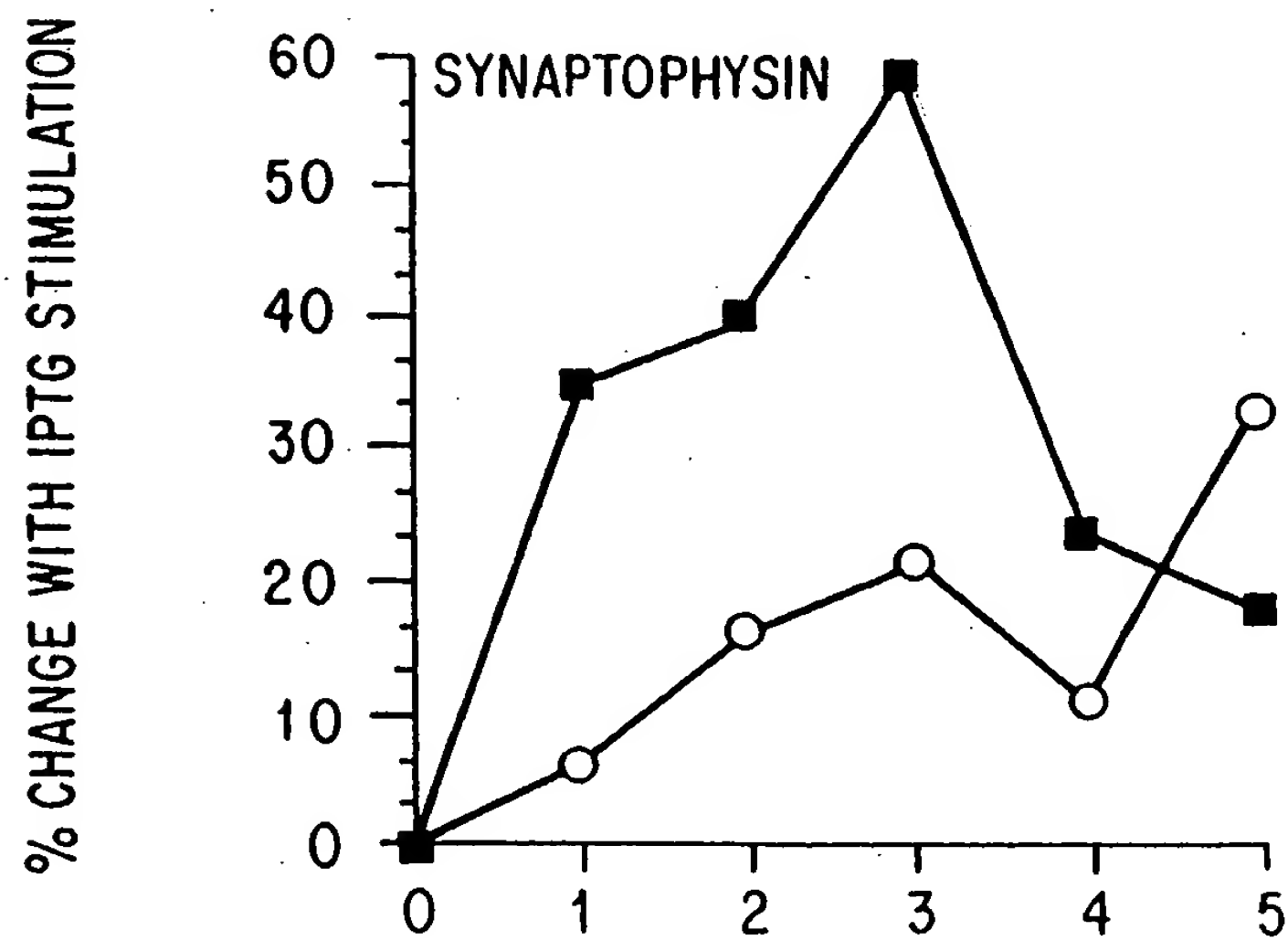


FIG. 8B

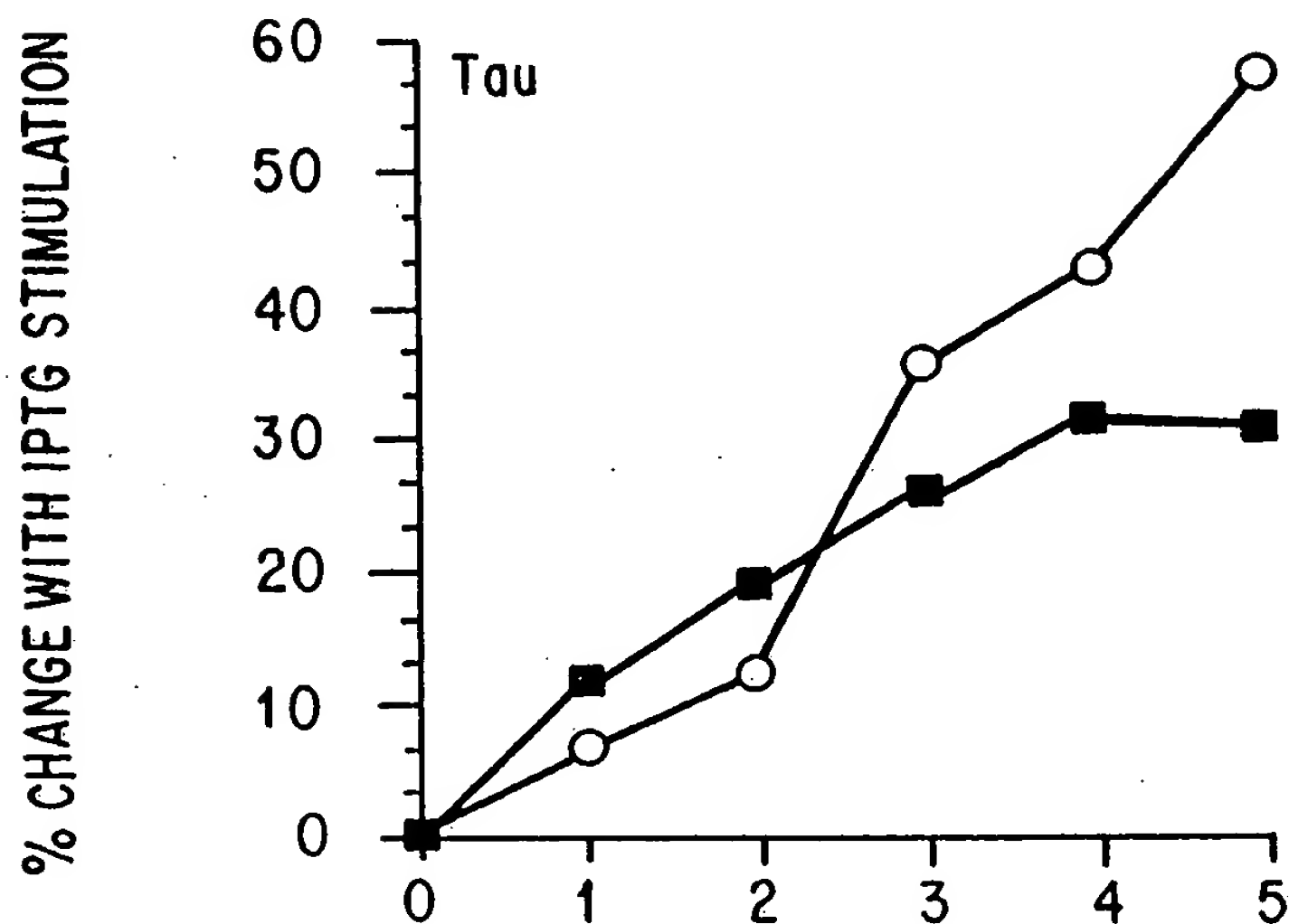


FIG. 8C

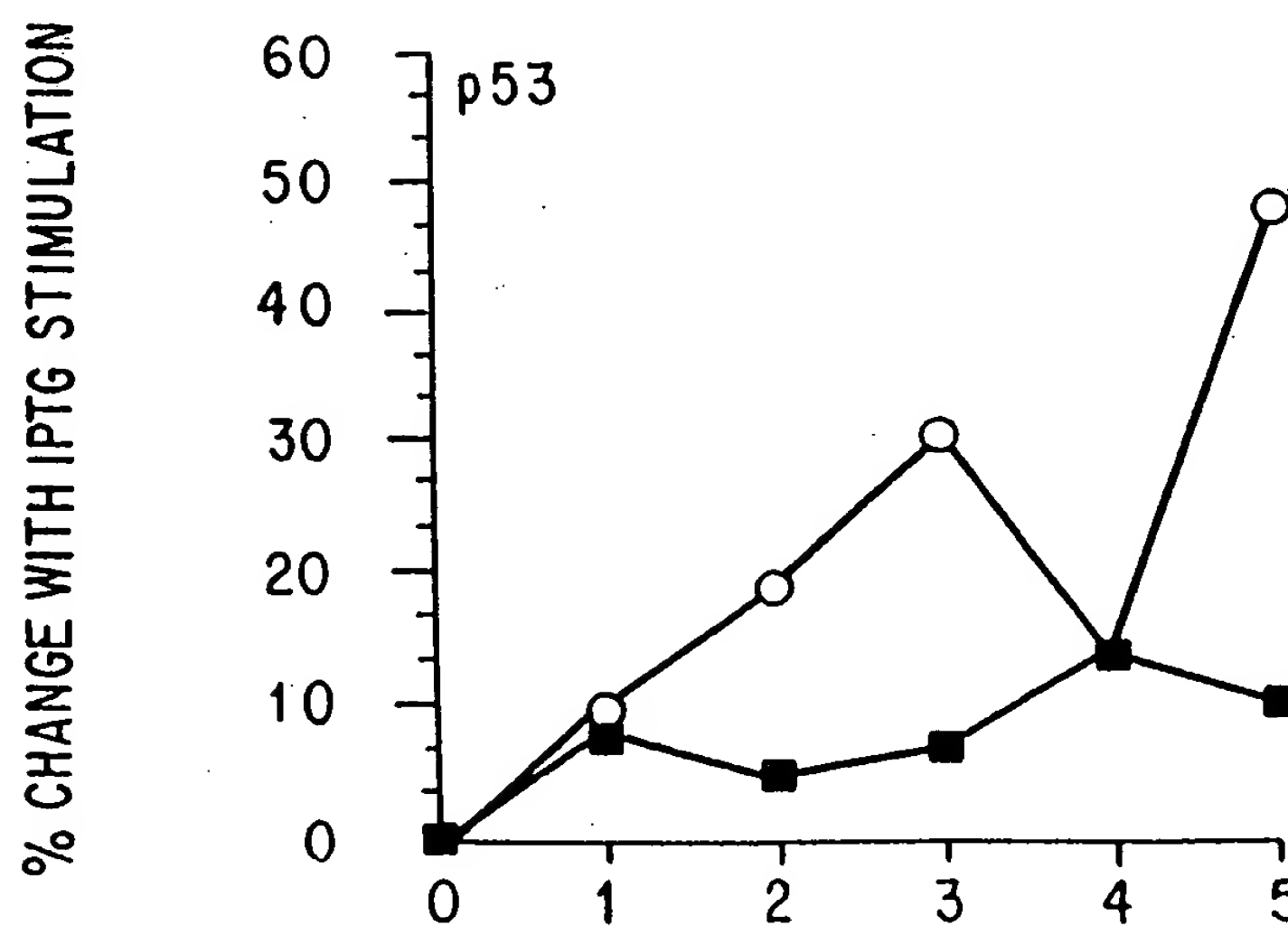


FIG. 8D

Appl. No. 09/964,412; Filed: September 28, 2001
 Dkt. No. 0609.4370004; Group Art Unit: 1633
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drugs
 Effective for the Treatment or Prevention of Alzheimer's Disease

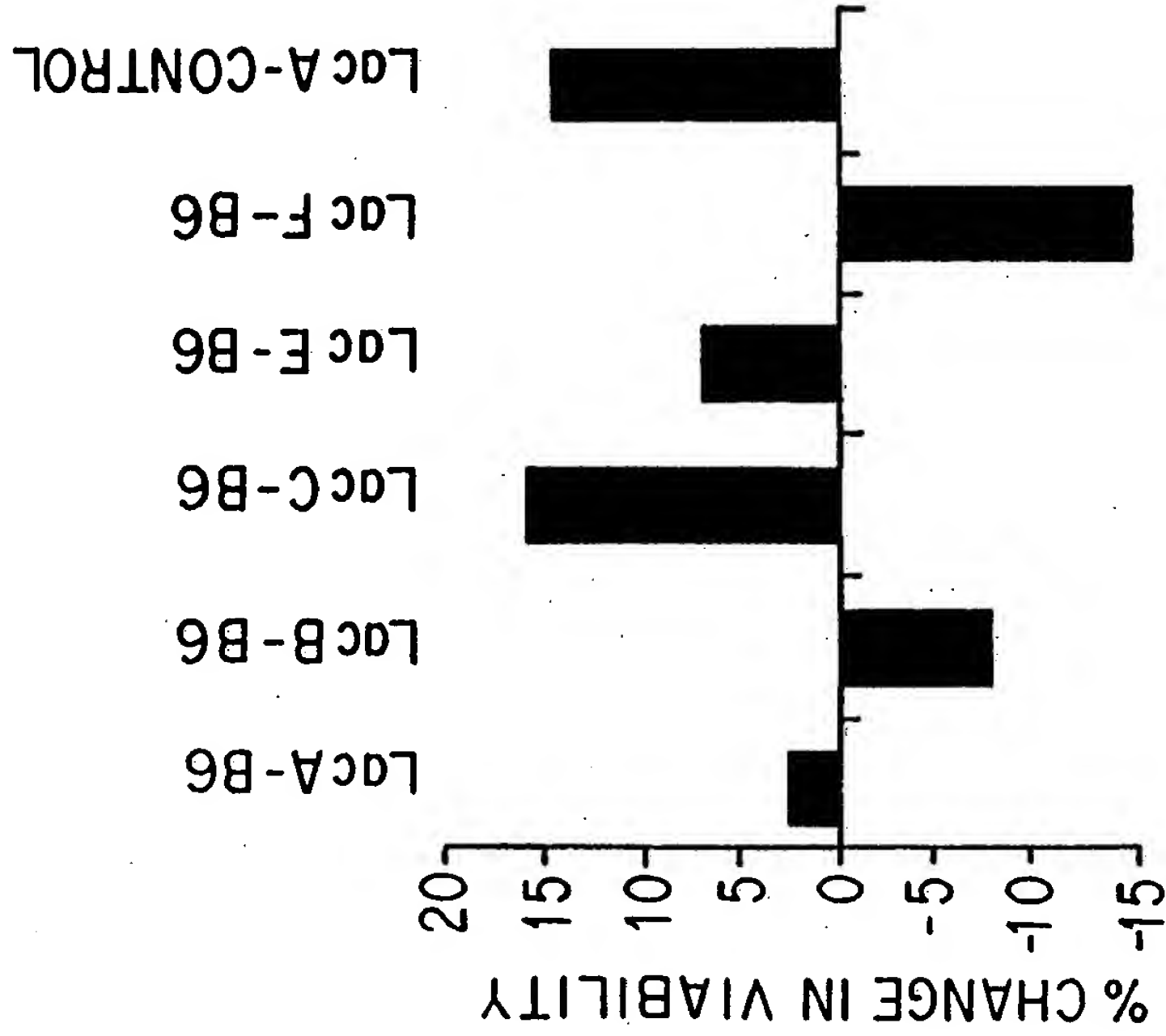


FIG. 9B

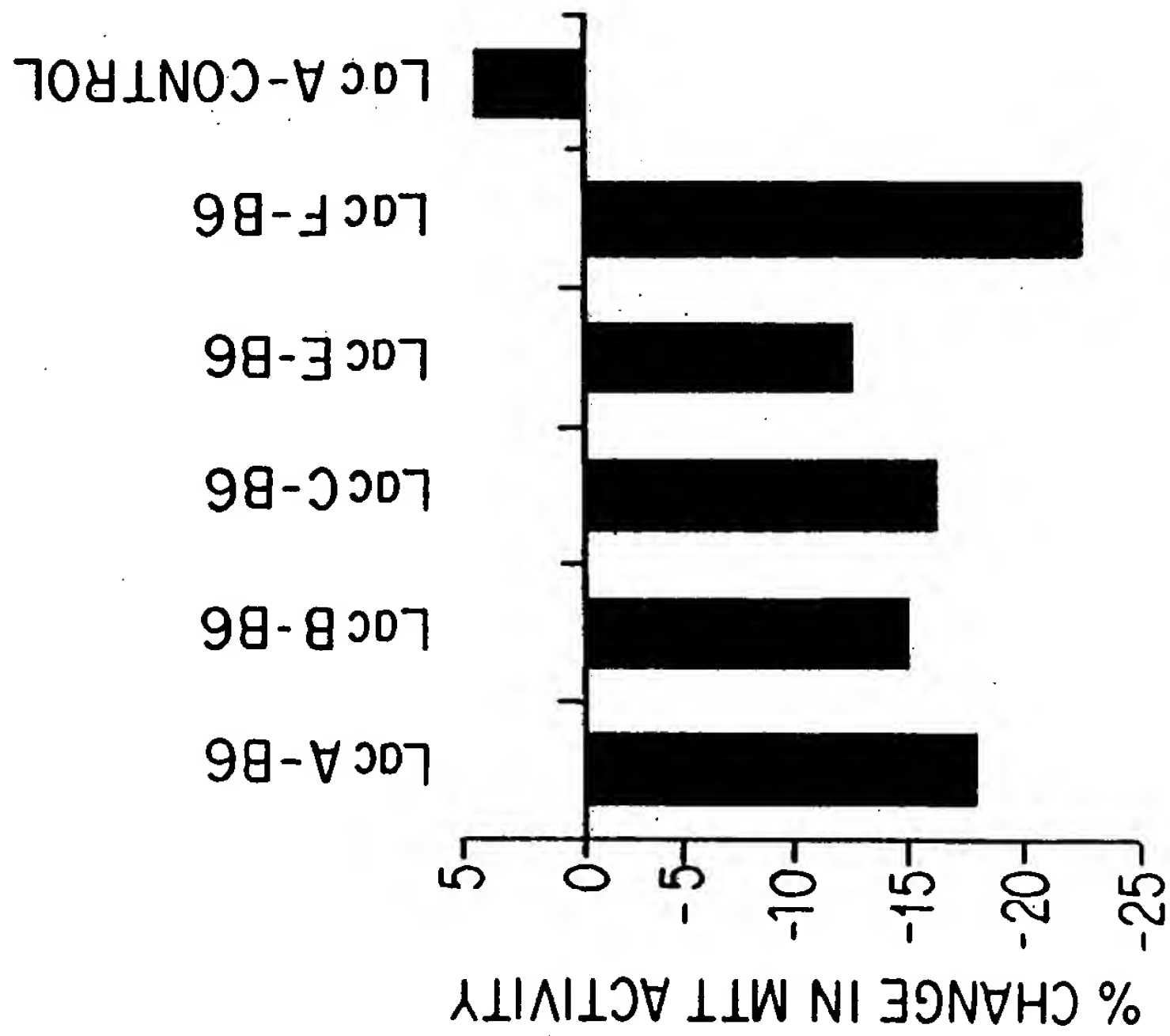


FIG. 9A

Appl. No. 09/964,412; Filed: September 28, 2001
 Dkt. No. 0609.4370004; Group Art Unit: 1633
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drug
 Effective for the Treatment or Prevention of Alzheimer's Disease

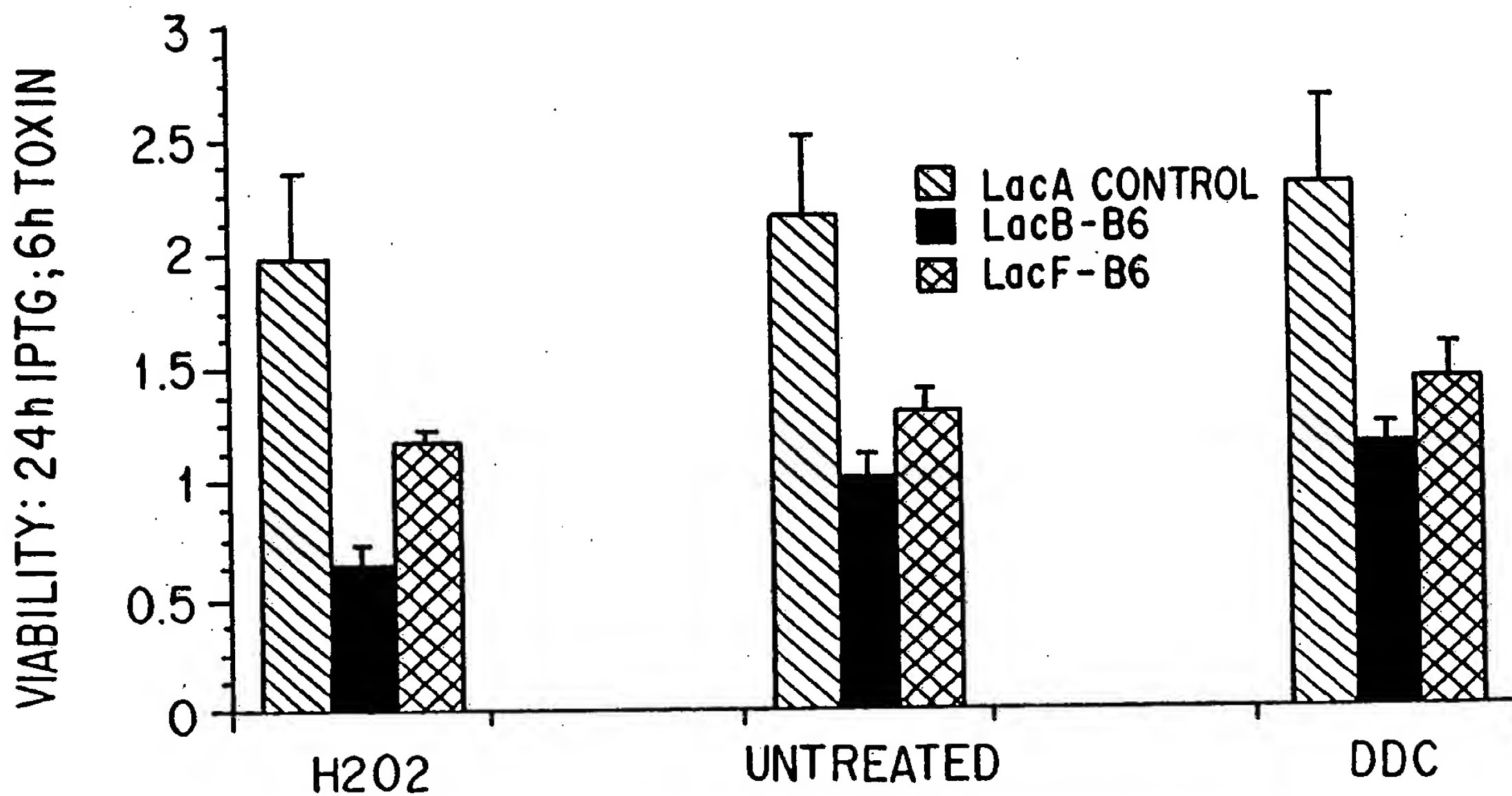


FIG. 10A

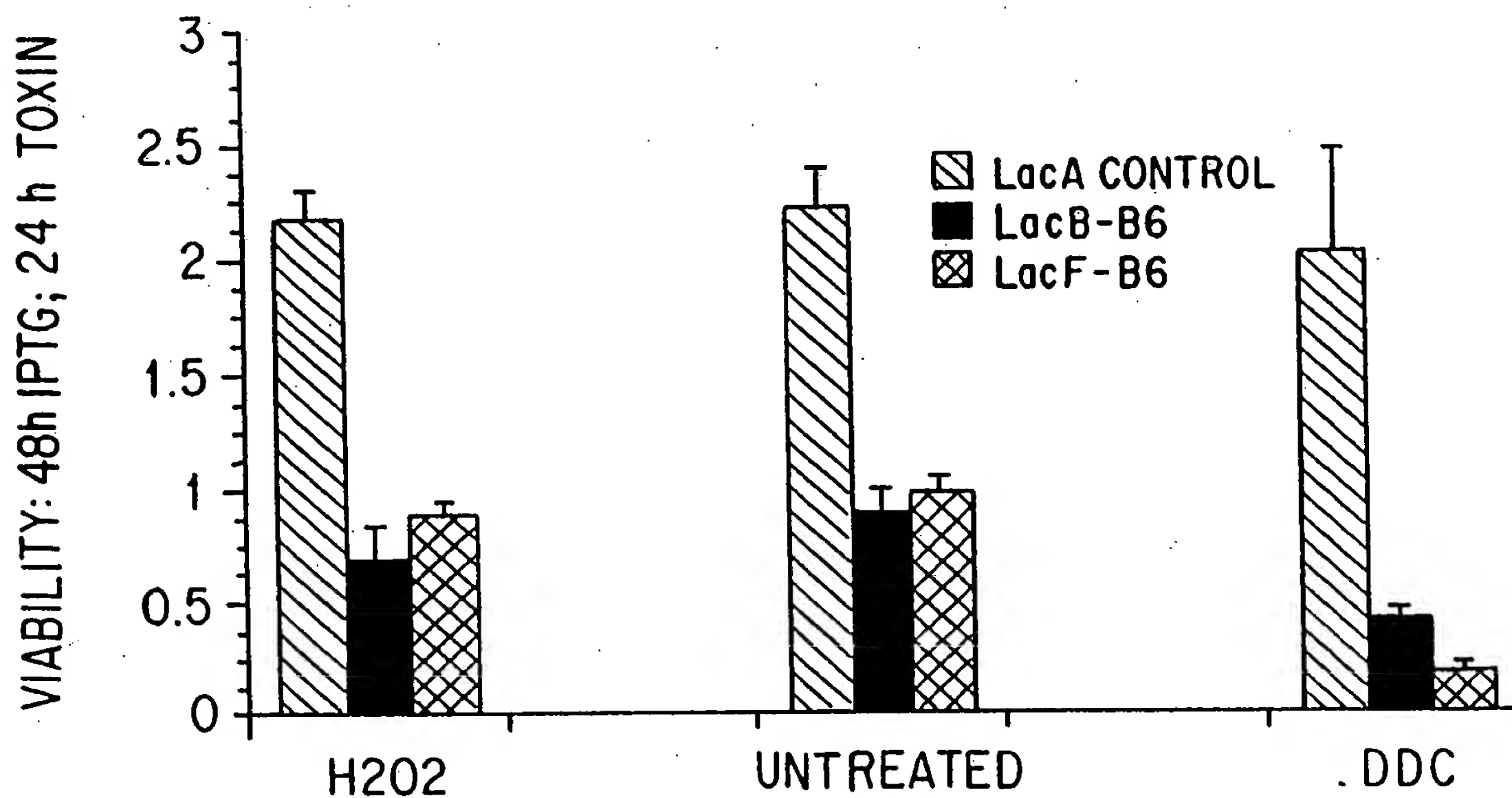


FIG. 10B

ppl. No. 09/964,412; Filed: September 28, 2001
 kt. No. 0609.4370004; Group Art Unit: 1633
 ventors: de la Monte *et al.*; Tel: 202/371-2600
 itle: Transgenic Animals and Cell Lines for Screening Drugs
 ffective for the Treatment or Prevention of Alzheimer's Disease

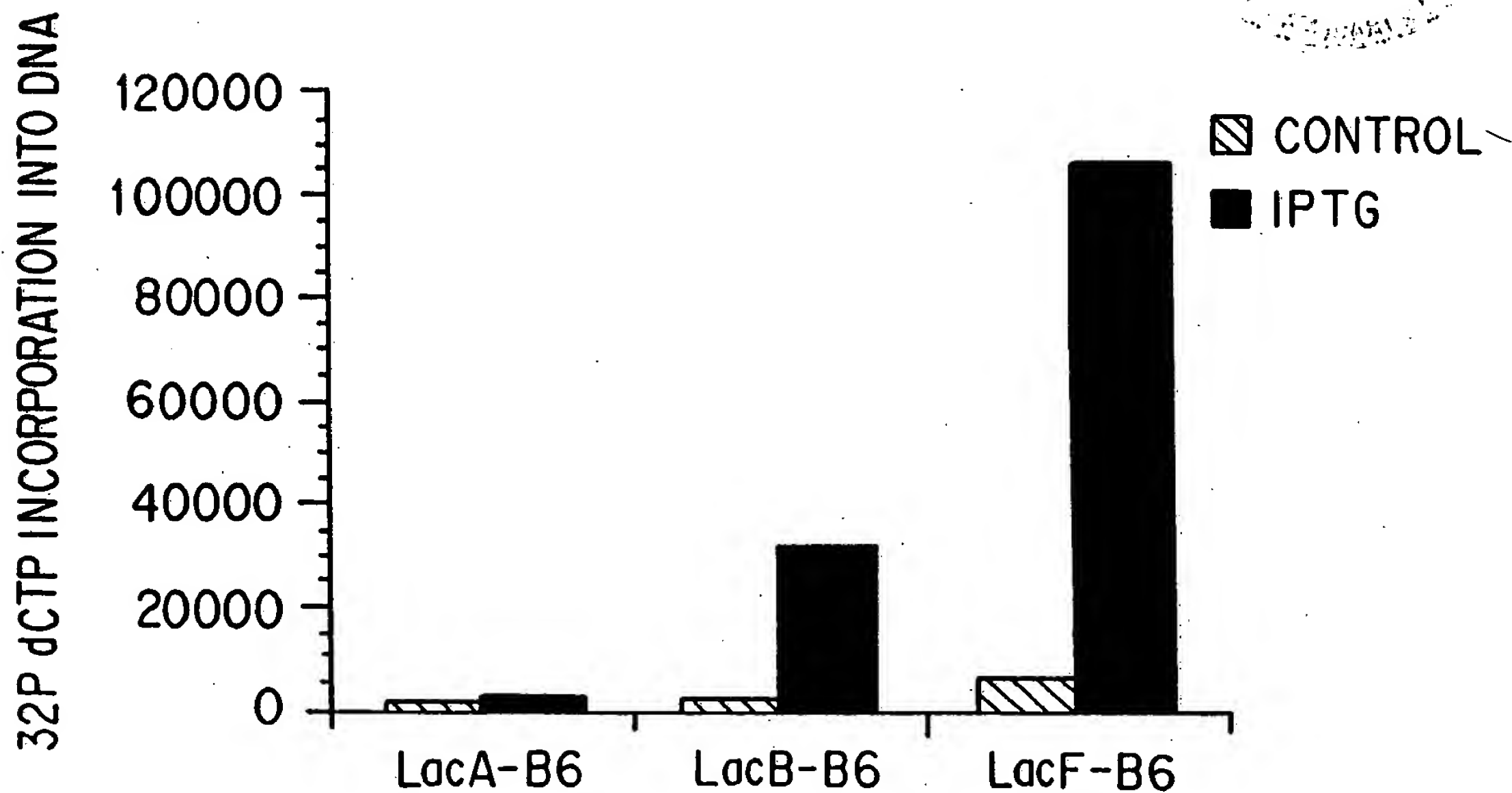


FIG. 11

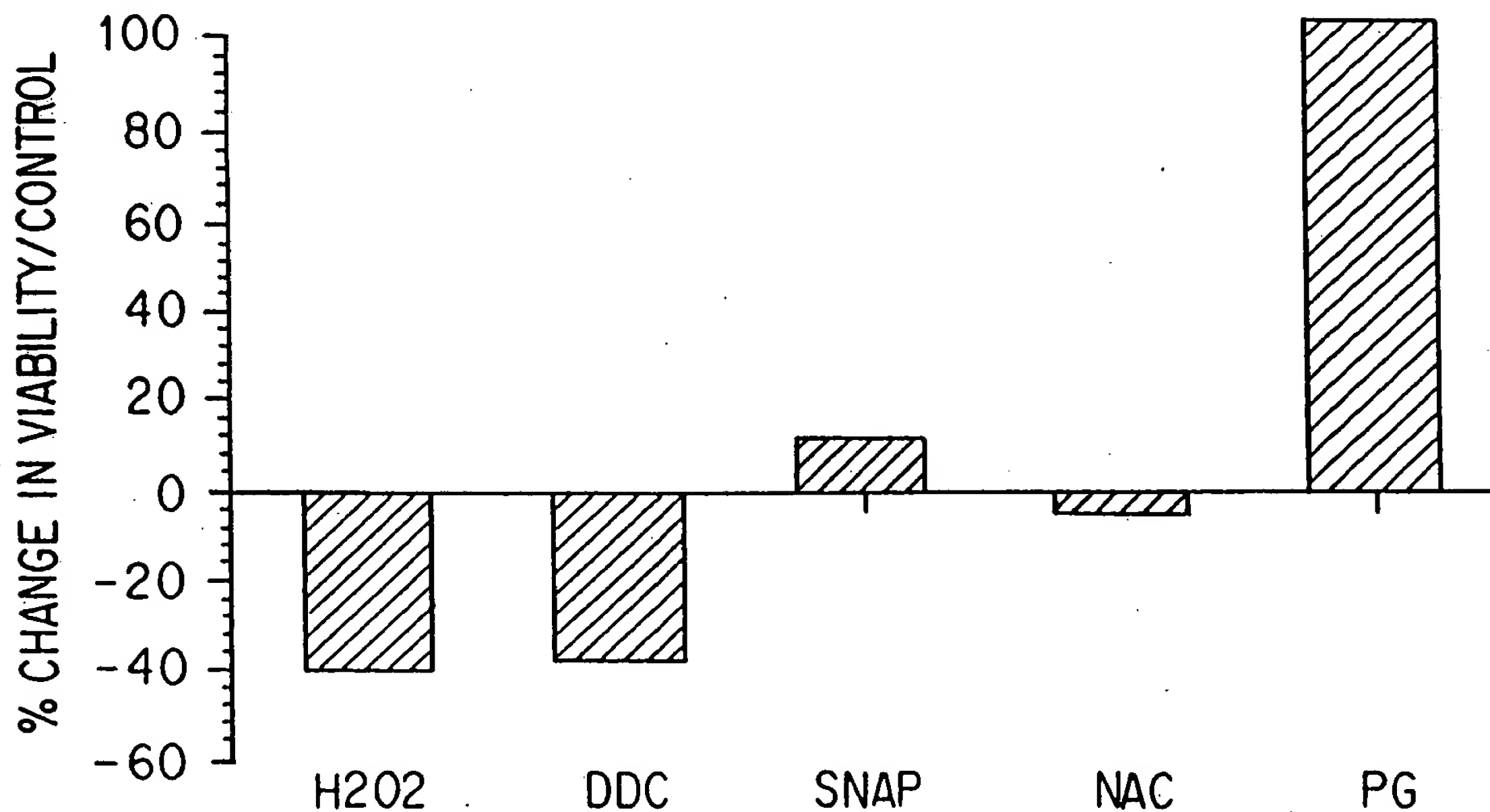


FIG. 12